

Datasheet for ONPG-5000**ONPG ELISA Beta-Galactosidase Substrate****Overview**

Description:	ONPG ELISA Beta-Galactosidase Substrate - ONPG-5000
Item No.:	ONPG-5000
Size:	5 g

Product Details

Background:	ONPG can be utilized as both a colorimetric and spectrophotometric detectable substrate for use with assays utilizing beta-galactosidase. Normally colorless, beta-galactosidase can hydrolyze ONPG into a yellow compound (ortho-nitrophenol) which can be detectable colorimetrically as an indicator of enzyme rate.
Synonyms:	ortho-Nitrophenyl- β -galactoside; ortho-Nitrophenyl-beta-galactoside

Target Details

Purity/Specificity:	Purity: >95%
	Melting Range: 174° to 177° C
	Molecular Weight: 301.25
	Formula: C ₁₂ H ₁₅ NO ₈
	Grade: UltraPure
	Special Precautions: Use good judgement and appropriate handling procedures when weighing.

Application Details

Application Note:	ONPG ELISA Beta-Galactosidase Substrate is a useful detection for ELISA.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1X

Formulation

Physical State:	Solid
Concentration:	1X N/A

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store container at -20° C prior to opening. Protect ONPG ELISA Beta-Galactosidase from moisture and light. No special shipping conditions or precautions are required.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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